

# MATERIAL SAFETY DATA SHEET

NPCA 1-72

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP. 1-13-78

## Section I

DMS 2112-7804

MANUFACTURER'S NAME U. S. Paint Lacquer & Chemical Company

Ty. I, CLASS I

STREET ADDRESS 2101 Singleton Street CITY, STATE, AND ZIP CODE St. Louis, Missouri 63103

EMERGENCY TELEPHONE NO. (314) 621-0525

PRODUCT CLASS Aliphatic Polyurethane

MANUFACTURERS CODE IDENTIFICATION 92-B-1-C

TRADE NAME BLACK GLOSS Alumigrip Black Enamel

Catalyzed 1 to 1 By  
Volume with 92-C-3\*

## Section II - HAZARDOUS INGREDIENTS

INGREDIENT	Volume PERCENT	TLV		LEL	VAPOR PRESSURE in mm Hg
		PPM	mg/M <sup>3</sup>		
Ethyl Acetate	18.8	400	1440	2.2	20° C 76.0
Methyl Ethyl Ketone	19.4	200	590	1.8	71.2
Toluene	13.5	100	375	1.27	38.0
Xylene	3.1	100	435	1.1	9.5
2-Ethoxy Ethyl Acetate	45.2	100	540	1.7	1.2
*Biuret of 1,6 Hexamethylene Diisocyanate					

## Section III - PHYSICAL DATA

BOILING RANGE 167 to 329°F. VAPOR DENSITY ☒ HEAVIER ☐ LIGHTER, THAN AIR

EVAPORATION RATE ☐ FASTER ☒ SLOWER, THAN ETHER PERCENT VOLATILE BY VOLUME 62.8 WEIGHT PER GALLON 8.76

## Section IV - FIRE AND EXPLOSION HAZARD DATA

Combustible Liquid 100°F.-200°F. ☐  
DOT CATEGORY Flammable Liquid 20°F.-100°F. ☒ Non Flammable ☐

FLASH POINT 46° F. T.C.C. LEL 1.1

EXTINGUISHING MEDIA Dry chemical or foam

UNUSUAL FIRE AND EXPLOSION HAZARDS Do not expose to spark or open flame

SPECIAL FIRE FIGHTING PROCEDURES Personnel who are fighting isocyanate fires should wear self-contained breathing apparatus.

## Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 100 TO 400 PPM

EFFECTS OF OVEREXPOSURE Eye & upper respiratory irritant

EMERGENCY AND FIRST AID PROCEDURES If exposed to excess vapor, remove to fresh air and seek medical attention. If splashed on skin or in eyes, flush with large amounts of water and seek immediate medical attention.

## Section VI — REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE

CONDITIONS TO AVOID Excess heat and/or oxidizing materials

INCOMPATIBILITY (Materials to avoid) Avoid contact with water, alcohol

HAZARDOUS DECOMPOSITION PRODUCTS amines, and other compounds which react with isocyanates.

HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID

## Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Affected area should be treated with an absorbing compound and then material placed in a tightly closed container.

WASTE DISPOSAL METHOD In accordance with local, state, and federal environmental control regulations.

## Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Bureau of Mines approved mask for removal of particulate matter and charcoal base for removal of solvent vapor.

VENTILATION Sufficient to keep air supply above threshold limit values.

PROTECTIVE GLOVES Rubber or Plastic

EYE PROTECTION Goggles

OTHER PROTECTIVE EQUIPMENT Hypersensitive persons should use protective creams.

## Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep away from heat, sparks and flames.

OTHER PRECAUTIONS